

FIG. 1A

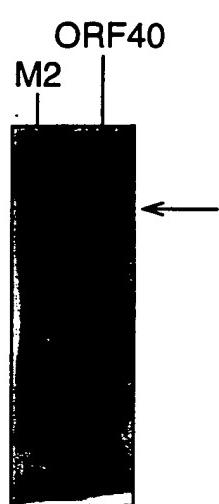


FIG. 1B

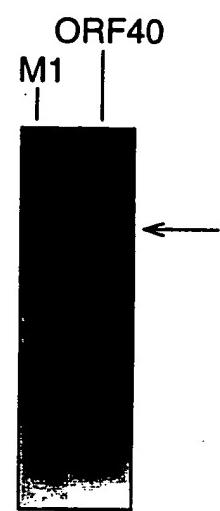
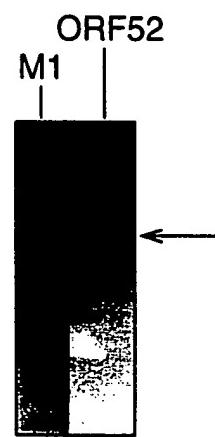


FIG. 4A



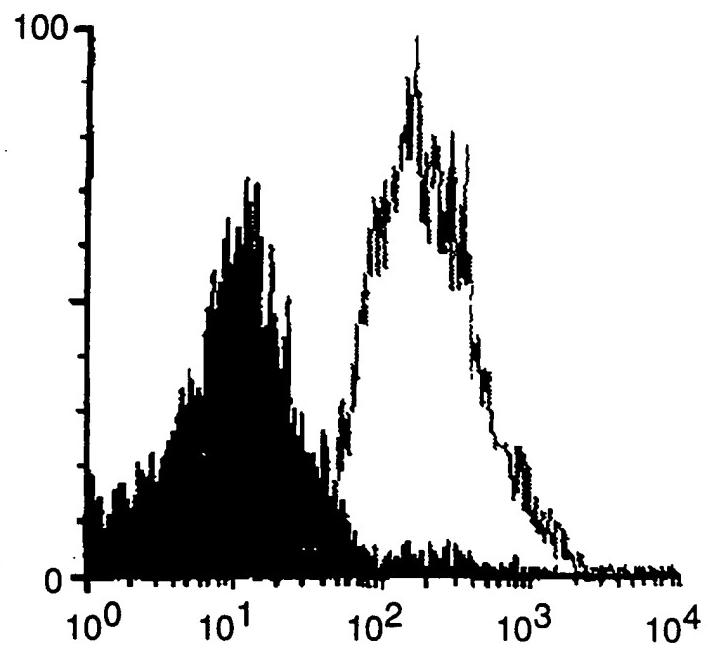


FIG. 1C

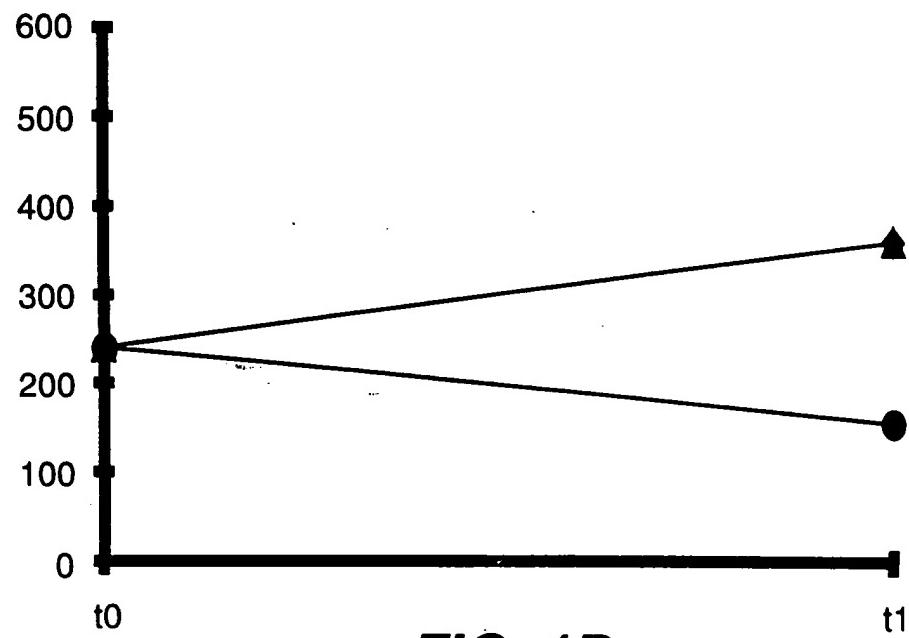


FIG. 1D

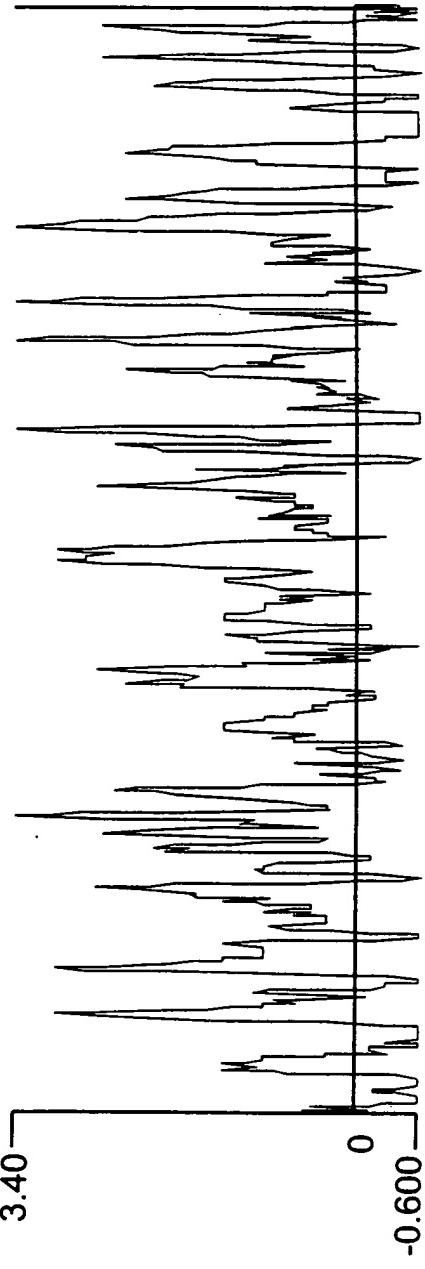
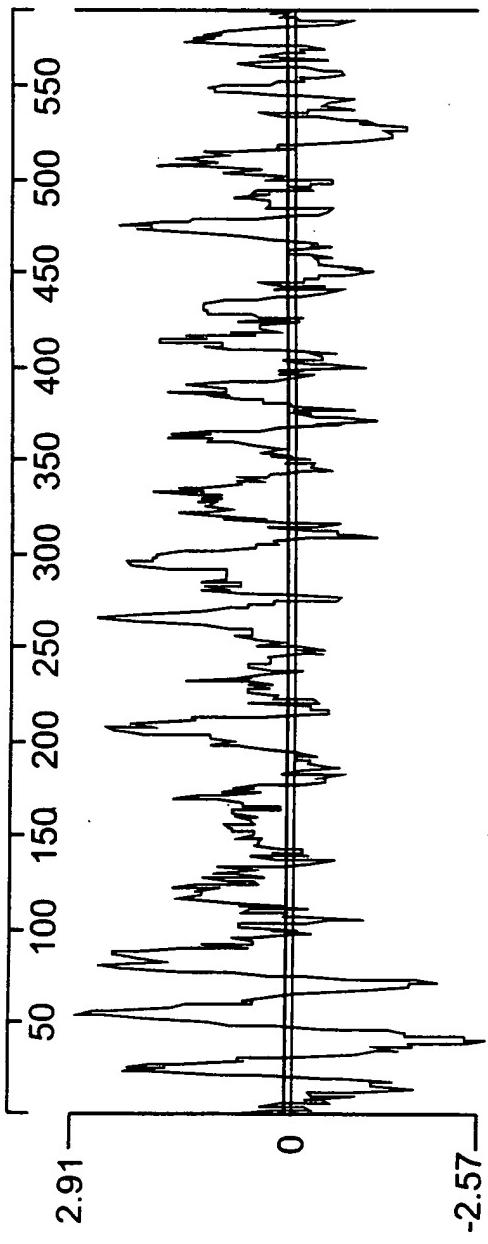


FIG. 1E

FIG. 2A

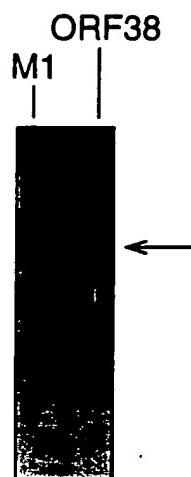


FIG. 2B

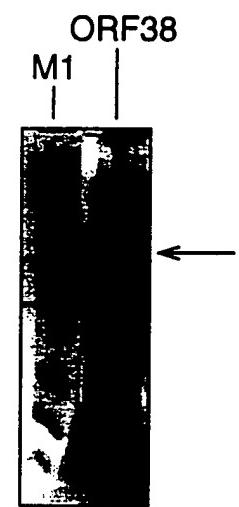


FIG. 2C

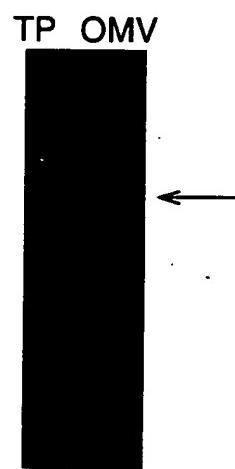
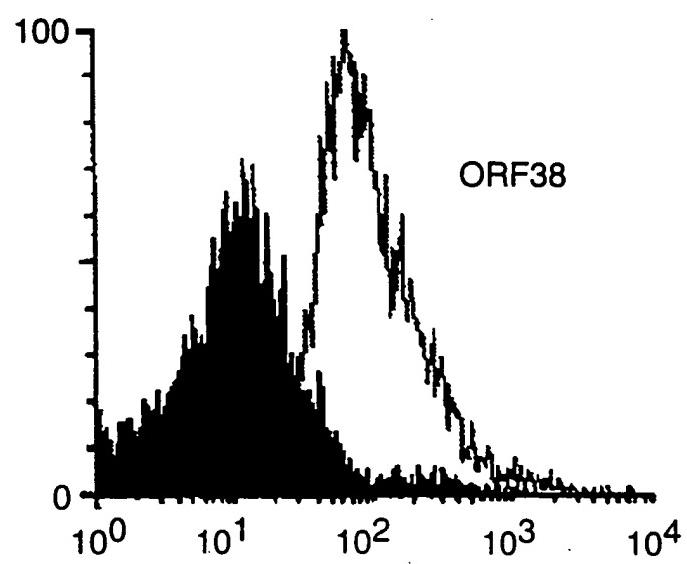


FIG. 2D



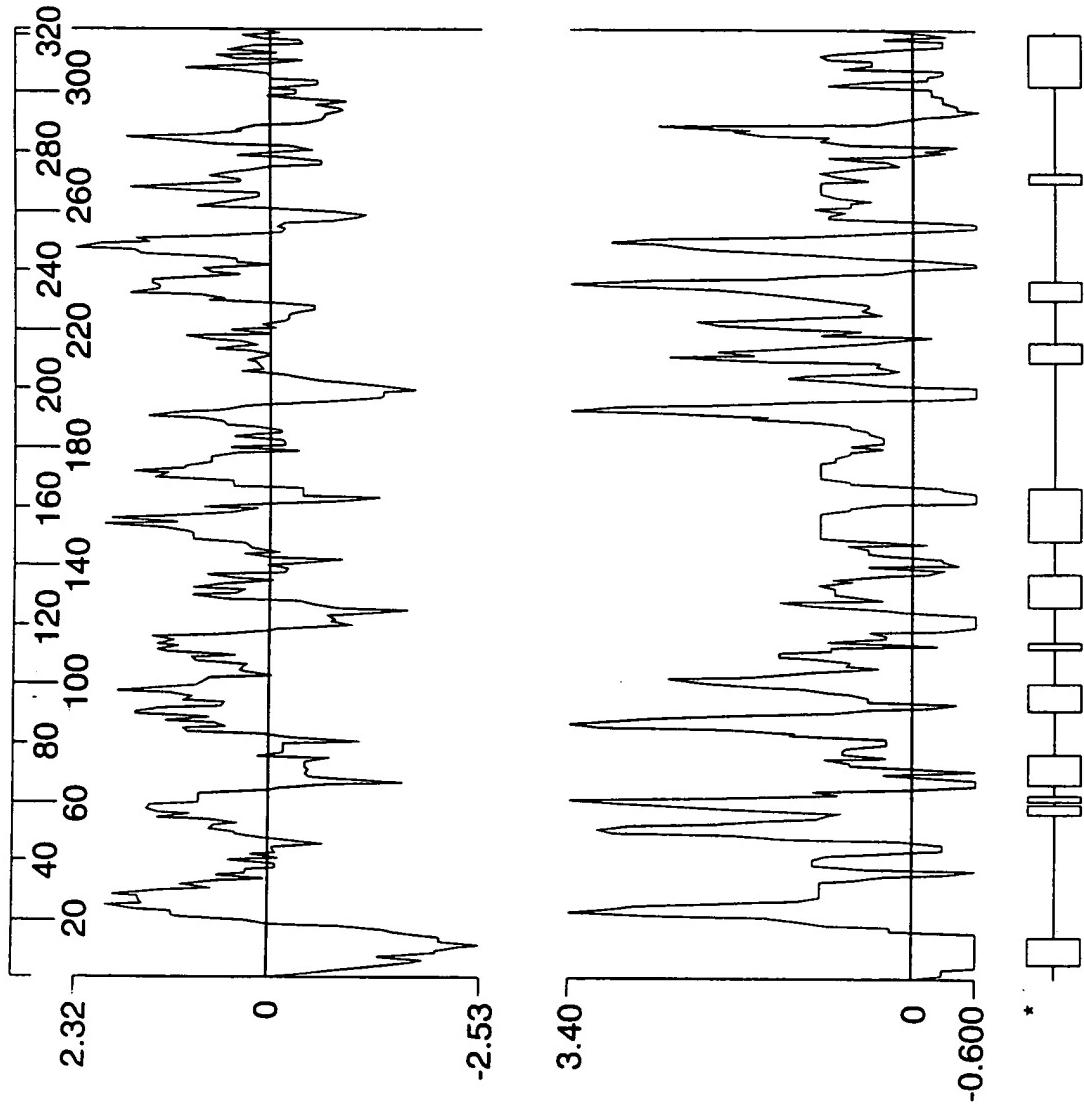


FIG. 2E

FIG. 3A

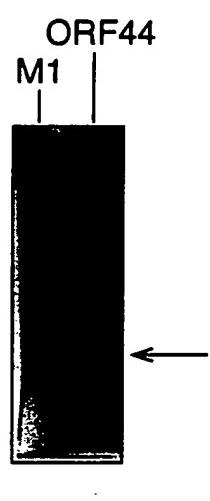


FIG. 3B

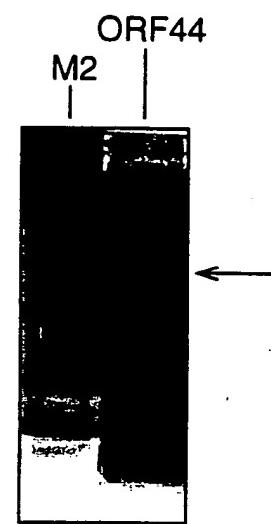
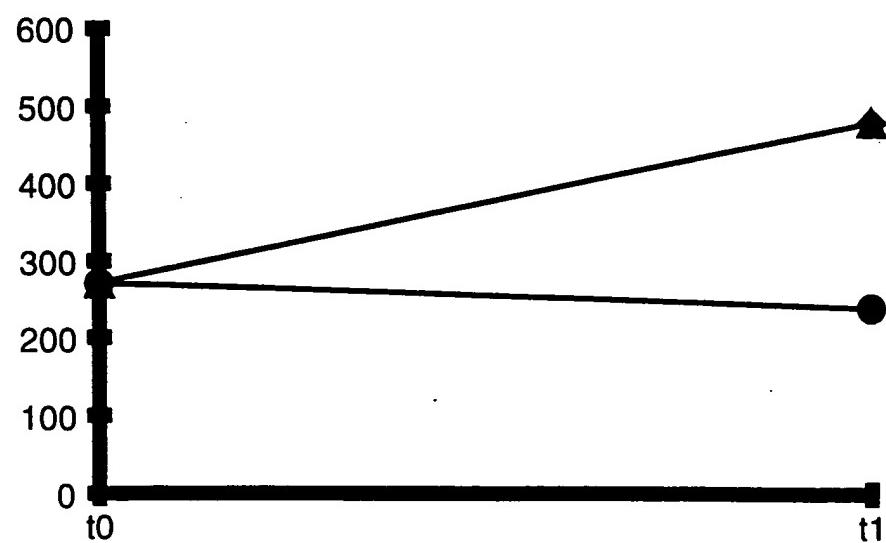


FIG. 3C



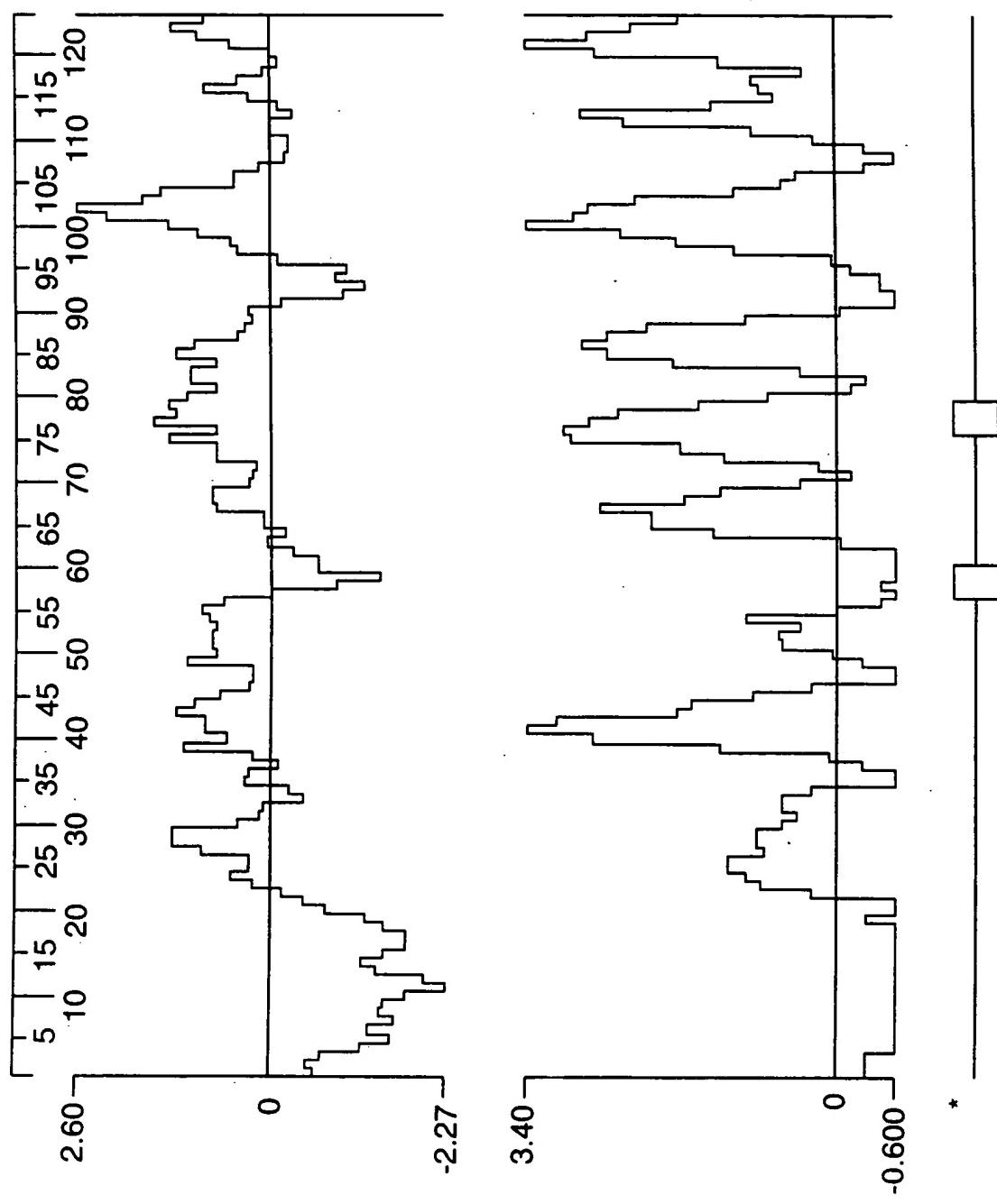


FIG. 3D

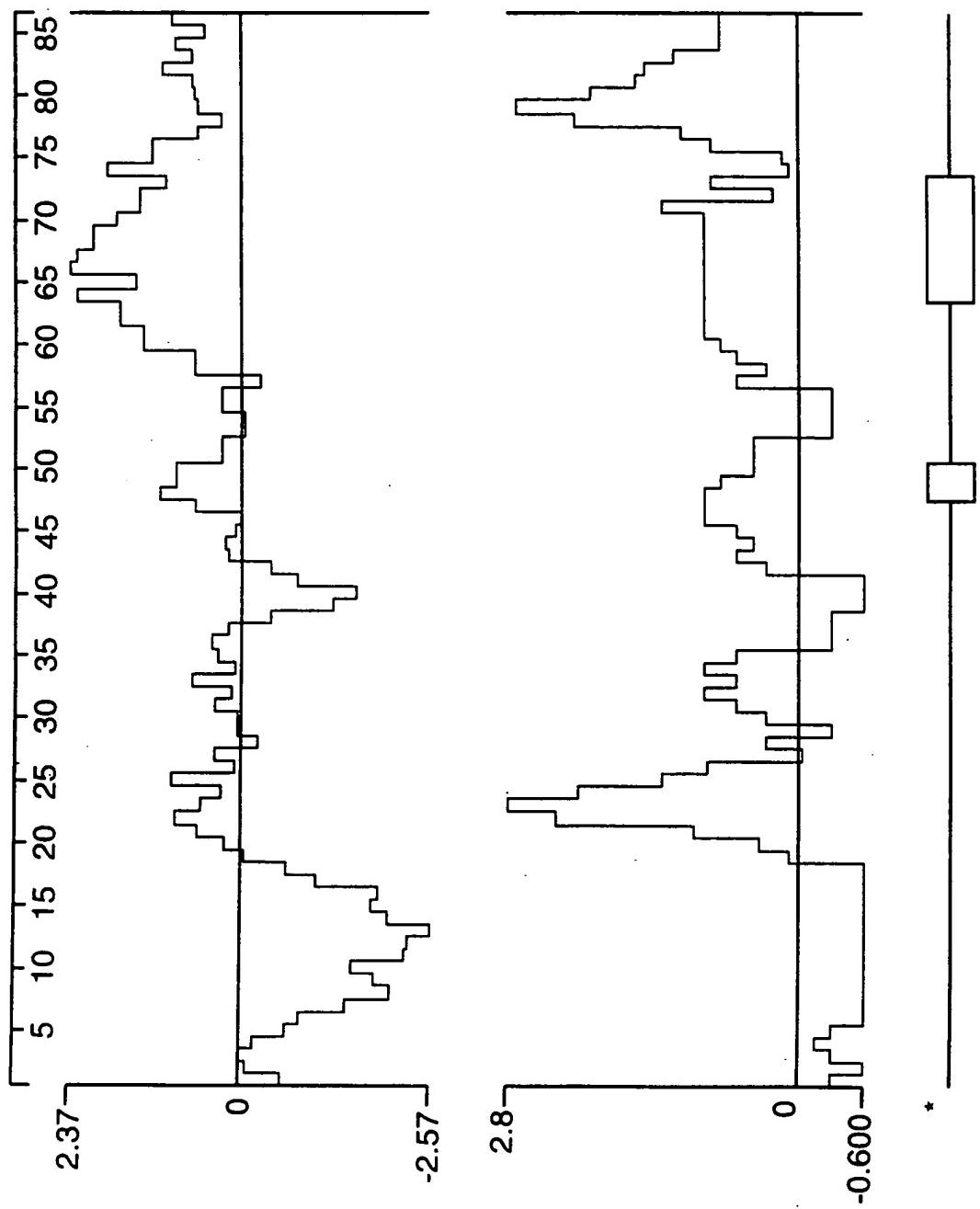


FIG. 4B

FIG. 5

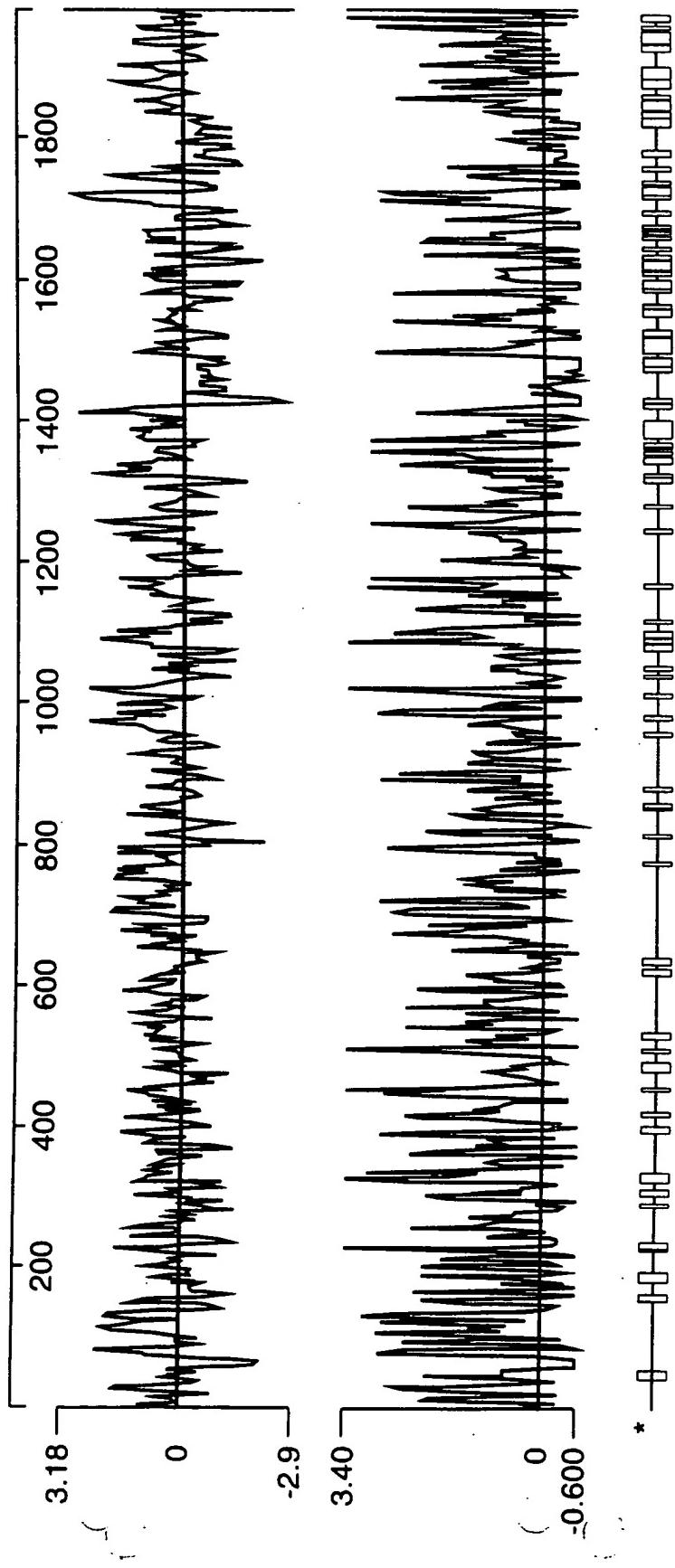


FIG. 6

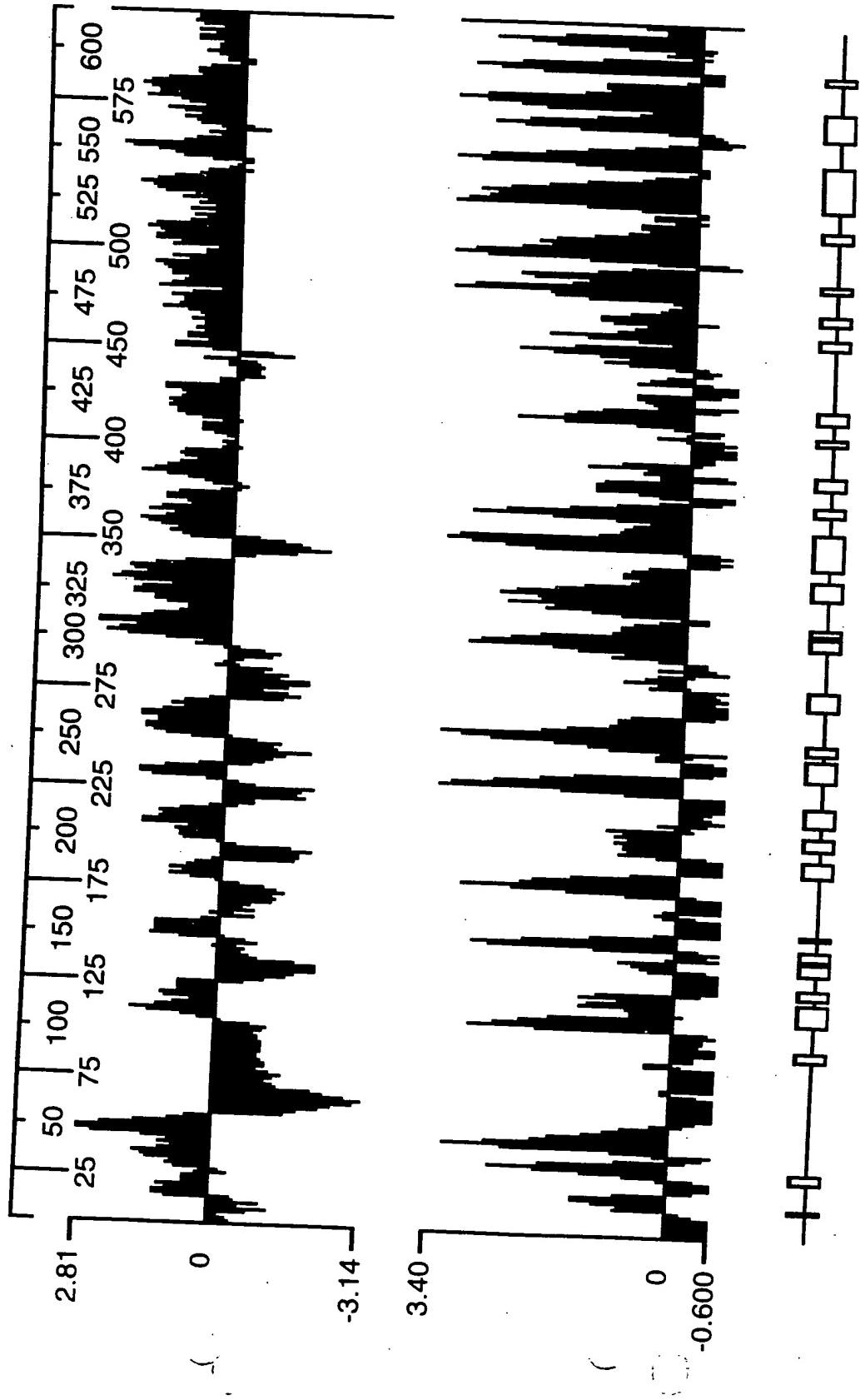
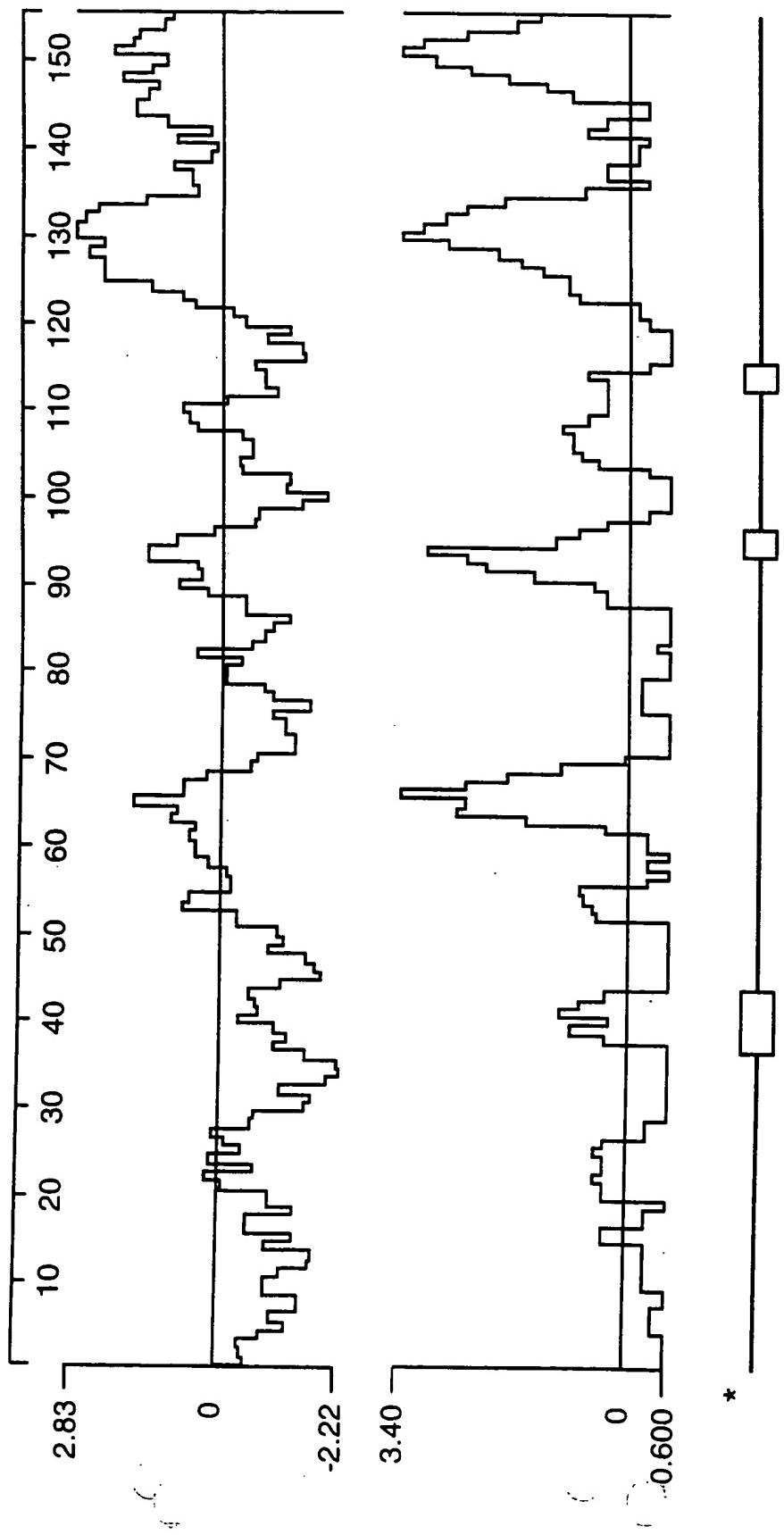


FIG. 7



BEST AVAILABLE COPY

zn07_1	1	MNKIYRIIWNSALNAWVVSELTRNHTKRASATVKTAVLATLLFATVQASANNEEQEEDL
zn20_1	1	MNKIYRIIWNSALNAWVVSELTRNHTKRASATVKTAVLATLLFATVQASANNEEQEEDL
zn21_1	1	MNKIYRIIWNSALNAWVVSELTRNHTKRASATVKTAVLATLLFATVQASANNEEQEEDL
zn06_1	1	MNKIYRIIWNSALNAWVVSELTRNHTKRASATVETAVLATLLFATVQASANNEEQEEDL
zn19_1	1	MNKIYRIIWNSALNAWVVSELTRNHTKRASATVKTAVLATLLFATVQASANNEEQEEDL
zn03_1	1	MNKIYRIIWNSALNAWVAVSELTRNHTKRASATVATAVLATLLFATVQASTT.D.DDHL
zn18_1	1	MNKIYRIIWNSALNAWVAVSELTRNHTKRASATVATAVLATLLFATVQASTT.D.DDHL
zn11_ass	1	MNKIYRIIWNSALNAWVAVSELTRNHTKRASATVATAVLATLLFATVQASTT.D.DDHL
zn02_1	1	MNKIYRIIWNSALNAWVVSELTRNHTKRASATVATAVLATLLFATVQASTT.D.DDHL
zn04_1	1	MNKIYRIIWNSALNAWVVSELTRNHTKRASATVATAVLATLLFATVQANAT.D.DDHL
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zn14_1	1	MNKIYRIIWNSALNAWVAVSELTRNHTKRASATVKTAVLATLLFATVQANAT.D.EDEEE
z2491	1	MNKIYRIIWNSALNAWVAVSELTRNHTKRASATVKTAVLATLLFATVQANATD.EDEEE
zn10_1	1	MNKIYRIIWNSALNAWVAVSELTRNHTKRASATVKTAVLATLLFATVQANATO.EDEEE
zn22_1	1	MNKIYRIIWNSALNAWVAVSELTRNHTKRASATVKTAVLATLLFATVQANATO.EDEEE
zn23_1	1	MNKIYRIIWNSALNAWVAVSELTRNHTKRASATVKTAVLATLLFATVQANATO.EDEEE
zn28_ass	1	MNKIYRIIWNSALNAWVAVSELTRNHTKRASATVKTAVLATLLFATVQANATO.EDEEE
zn24_1	1	MNKIYRIIWNSALNAWVVSELTRNHTKRASATVATAVLATLSATVQANATD.EDEEE
zn25_ass	1	MNKIYRIIWNSALNAWVVSELTRNHTKRASATVATAVLATLSATVQANATD.EDEEE
zn08_1	1	MNKIYRIIWNSALNAWVVSELTRNHTKRASATVATAVLATLLFATVQANATD.TDEBB
zn29_ass	1	MNKIYRIIWNLALNAWVVSELTRNHTKRASATVATAVLATLLSATVQANATD.EDNM.
zn07_1	61	YL.PVQR:VAVLIVNSDKEG:GEKEKVEENS DWAY:NEKGVLTR:RE:TLKAGDNLKIKQ
zn20_1	61	YL.PVQR:VAVLIVNSDKEG:GEKEKVEENS DWAY:NEKGVLTR:RE:TLKAGDNLKIKQ
zn21_1	61	YL.PVQR:VAVLIVNSDKEG:GEKEKVEENS DWAY:NEKGVLTR:RE:TLKAGDNLKIKQ
zn06_1	61	YL.PVQR:VAVLIVNSDKEG:GEKEKVEENS DWAY:NEKGVLTR:RE:TLKAGDNLKIKQ
zn19_1	61	YL.PVQR:VAVLIVNSDKEG:GEKEKVEENS DWAY:NEKGVLTR:RE:TLKAGDNLKIKQ
zn03_1	58	YLEPVQR:APVLSFHADSEG:GEKE.VTEDSNWG.Y:DKKGVLT:GT:TLKAGDNLKIKQ
zn18_1	58	YLEPVQR:APVLSFHADSEG:GEKE.VTEDSNWG.Y:DKKGVLT:GT:TLKAGDNLKIKQ
zn11_ass	58	YLEPVQR:APVLSFHADSEG:GEKE.VTEDSNWG.Y:DKKGVLT:GT:TLKAGDNLKIKQ
zn02_1	58	YLEPVQR:AVVL SFRSDKEG:GEKE.GTEDSNWADY:DEKRVLK:GA:TLKAGDNLKIKQ
zn04_1	58	YLEPVQR:AVVL SFRSDKEG:GEKE.GTEDSNWADY:DEKRVLK:GA:TLKAGDNLKIKQ
zn16_1	58	YLEPVQR:AVVL SFRSDKEG:GEKE.GTEDSNWADY:DEKRVLK:GA:TLKAGDNLKIKQ
zn14_1	59	ELEPVVR:ALVLQFMIDKEGN GENE:STGNIGWS.Y:DHHNTLE:AT:TLKAGDNLKIKQ
z2491	60	.LESVQR:.VVGSIQASMEG:GELETISLSMTND...SKEFVDPYIV:TLKAGDNLKIKQ
zn10_1	60	.LESVQR:.VVGSIQASMEG:GELETISLSMTND...SKEFVDPYIV:TLKAGDNLKIKQ
zn22_1	60	.LESVQR:.VVGSIQASMEG:GELETISLSMTND...SKEFVDPYIV:TLKAGDNLKIKQ
zn23_1	60	.LESVQR:.VVGSIQASMEG:GELETISLSMTND...SKEFVDPYIV:TLKAGDNLKIKQ
zn28_ass	60	.LESVQR:.VVGSIQASMEG:GELETISLSMTND...SKEFVDPYIV:TLKAGDNLKIKQ
zn24_1	60	.LESVVR:ALVLQFMIDKEGN G E I STG.DIGWS.Y:DHHNTLE:AT:TLKAGDNLKIKQ
zn25_ass	60	.LESVVR:ALVLQFMIDKEGN G E I STG.DIGWS.Y:DHHNTLE:AT:TLKAGDNLKIKQ
zn08_1	60	.LEPVVR:APVLSFHADSEG:GEKE.EVGASSNLTY:DKNRVLK:GT:TLKAGDNLKIKQ
zn29_ass	60	.LEPVVR:APVLSFHADSEG:GEKE.EVGASSNLTY:DKNRVLK:GT:TLKAGDNLKIKQ
zn07_1	121	.....N: NFTYSLKKDLTDLTSVGTEKLSFSANGNKVNITSDTKGLNFAKETAG
zn20_1	121	.....N: NFTYSLKKDLTDLTSVGTEKLSFSANGNKVNITSDTKGLNFAKETAG
zn21_1	121	.....N: NFTYSLKKDLTDLTSVGTEKLSFSANGNKVNITSDTKGLNFAKETAG
zn06_1	121	.....N: NFTYSLKKDLTDLTSVGTEKLSFSANGNKVNITSDTKGLNFAKETAG
zn19_1	121	.....N: NFTYSLKKDLTDLTSVGTEKLSFSANGNKVNITSDTKGLNFAKETAG
zn03_1	117	....NTDENTN: SFTYSLKKDLTDLTSVETEKLSFGANGKKVNITSDTKGLNFAKETAG
zn18_1	117	....NTDENTN: SFTYSLKKDLTDLTSVETEKLSFGANGKKVNITSDTKGLNFAKETAG
zn11_ass	117	....NTDENTN: SFTYSLKKDLTDLTSVETEKLSFGANGKKVNITSDTKGLNFAKETAG
zn02_1	117	....NTNENTND: SFTYSLKKDLTDLTSVETEKLSFGANGKKVNITSDTKGLNFAKETAG
zn04_1	117	....NTNENTND: SFTYSLKKDLTDLTSVETEKLSFGANGKKVNITSDTKGLNFAKETAG
zn16_1	117	NTNENTNENTND: SFTYSLKKDLTDLTSVETEKLSFGANGKKVNITSDTKGLNFAKETAG
zn14_1	118	NTNENTNENTND: SFTYSLKKDLTDLTSVETEKLSFGANGNKVNITSDTKGLNFAKETAG
z2491	115	....NTNENTN: SFTYSLKKDLTGLIN VETEKLSFGANGKKVNIIISDTKGLNFAKETAG
zn10_1	115	....NTNENTN: SFTYSLKKDLTGLIN VETEKLSFGANGKKVNIIISDTKGLNFAKETAG
zn22_1	115	....NTNENTN: SFTYSLKKDLTGLIN VETEKLSFGANGKKVNIIISDTKGLNFAKETAG
zn23_1	115	....NTNENTN: SFTYSLKKDLTGLIN VETEKLSFGANGKKVNIIISDTKGLNFAKETAG
zn28_ass	115	....NTNENTN: SFTYSLKKDLTGLIN VETEKLSFGANGKKVNIIISDTKGLNFAKETAG
zn24_1	118	....SCKDFTYSLKKDLTDLTSVETEKLSFGANGNKVNITSDTKGLNFAKETAG
zn25_ass	118	....SCKDFTYSLKKDLTDLTSVETEKLSFGANGNKVNITSDTKGLNFAKETAG
zn08_1	118	....NTDENTN: SFTYSLKKDLTDLTSVGTEELSF GANGNKVNITSDTKGLNFAKETAG
zn29_ass	119	NTNENTNENTN: SFTYSLKKDLTGLIN VETEKLSFGANGKKVNIIISDTKGLNFAKETAG

FIG. 8A

BEST AVAILABLE COPY

zn07_1	171	TNGDTTVHLNGIGSTLTDTLN[GAT]TNTVTND[VTDDEKK]RAAS[KDVLNAGWNIKGVKP]
zn20_1	171	TNGDTTVHLNGIGSTLTDTLN[GAT]TNTVTND[VTDDEKK]RAAS[KDVLNAGWNIKGVKP]
zn21_1	171	TNGDTTVHLNGIGSTLTDTLN[GAT]TNTVTND[VTDDEKK]RAAS[KDVLNAGWNIKGVKP]
zn06_1	171	TNGDTTVHLNGIGSTLTDTLN[GAT]TNTVTND[VTDDEKK]RAAS[KDVLNAGWNIKGVKP]
zn19_1	171	TNGDTTVHLNGIGSTLTDTLN[GAT]TNTVTND[VTDDEKK]RAAS[KDVLNAGWNIKGVKP]
zn03_1	173	TNGDTTVHLNGIGSTLTDTLN[GAT]TNTVTND[VTDDEKK]RAAS[KDVLNAGWNIKGVKP]
zn18_1	173	TNGDTTVHLNGIGSTLTDTLN[GAT]TNTVTND[VTDDEKK]RAAS[KDVLNAGWNIKGVKP]
zn11_ass	173	TNGDTTVHLNGIGSTLTDTLN[GAT]TNTVTND[VTDDEKK]RAAS[KDVLNAGWNIKGVKP]
zn02_1	173	TNGDP[TVHLNGIGSTLTDTLN[GAT]TNTVTND[VTDDEKK]RAAS[KDVLNAGWNIKGVKP]
zn04_1	173	TNGDP[TVHLNGIGSTLTDTLN[GAT]TNTVTND[VTDDEKK]RAAS[KDVLNAGWNIKGVKP]
zn16_1	177	TNGDP[TVHLNGIGSTLTDTLN[GAT]TNTVTND[VTDDEKK]RAAS[KDVLNAGWNIKGVKP]
zn14_1	178	TNGDTTVHLNGIGSTLTDTLN[GAT]TNTVTND[VTDDEKK]RAAS[KDVLNAGWNIKGVKP]
z2491	171	TNGDTTVHLNGIGSTLTDTLAG[SA]HVDAGN[ST..HYT]RAAS[KDVLNAGWNIKGVKP]
zn10_1	171	TNGDTTVHLNGIGSTLTDTLAG[SA]HVDAGN[ST..HYT]RAAS[KDVLNAGWNIKGVKP]
zn22_1	171	TNGDTTVHLNGIGSTLTDTLAG[SA]HVDAGN[ST..HYT]RAAS[KDVLNAGWNIKGVKP]
zn23_1	171	TNGDTTVHLNGIGSTLTDTLAG[SA]HVDAGN[ST..HYT]RAAS[KDVLNAGWNIKGVKP]
zn28_ass	171	TNGDTTVHLNGIGSTLTDMLLN[GAT]TNTVTND[VTDDEKK]RAAS[KDVLNAGWNIKGVKP]
zn24_1	168	TNGDP[TVHLNGIGSTLTDTLAG[SA]HVDAGN[ST..HYT]RAAS[KDVLNAGWNIKGVKP]
zn25_ass	168	TNGDP[TVHLNGIGSTLTDTLAG[SA]HVDAGN[ST..HYT]RAAS[KDVLNAGWNIKGVKP]
zn08_1	174	TNGDTTVHLNGIGSTLTDTLAG[SA]HVDAGN[ST..HYT]RAAS[KDVLNAGWNIKGVKP]
zn29_ass	179	TNGDP[TVHLNGIGSTLTDTLAG[SA]HVDAGN[ST..HYT]RAAS[KDVLNAGWNIKGVKP]
zn07_1	231	G[TAA..S]NVDFVRTYDTVEFLSADTKTTTVNVESKDNKG[TEVKIGAKTSVIKEKDGL
zn20_1	231	G[TAA..S]NVDFVRTYDTVEFLSADTKTTTVNVESKDNKG[TEVKIGAKTSVIKEKDGL
zn21_1	231	G[TAA..S]NVDFVRTYDTVEFLSADTKTTTVNVESKDNKG[TEVKIGAKTSVIKEKDGL
zn06_1	231	G[TAA..S]NVDFVRTYDTVEFLSADTKTTTVNVESKDNKG[TEVKIGAKTSVIKEKDGL
zn19_1	231	G[TAA..S]NVDFVRTYDTVEFLSADTKTTTVNVESKDNKG[TEVKIGAKTSVIKEKDGL
zn03_1	233	G[TAA..S]NVDFVRTYDTVEFLSADTKTTTVNVESKDNKG[TEVKIGAKTSVIKEKDGL
zn18_1	233	G[TAA..S]NVDFVRTYDTVEFLSADTKTTTVNVESKDNKG[TEVKIGAKTSVIKEKDGL
zn11_ass	233	G[TAA..S]NVDFVRTYDTVEFLSADTKTTTVNVESKDNKG[TEVKIGAKTSVIKEKDGL
zn02_1	233	G[TAA..S]NVDFVRTYDTVEFLSADTKTTTVNVESKDNKG[TEVKIGAKTSVIKEKDGL
zn04_1	233	G[TAA..S]NVDFVRTYDTVEFLSADTKTTTVNVESKDNKG[TEVKIGAKTSVIKEKDGL
zn16_1	237	G[TAA..S]NVDFVRTYDTVEFLSADTKTTTVNVESKDNKG[TEVKIGAKTSVIKEKDGL
zn14_1	238	G[TAA..S]NVDFV[TYD]TVEFLSADTKTTTVNVESKDNKG[TEVKIGAKTSVIKEKDGL
z2491	229	G[TTGQS]NVDFVRTYDTVEFLSADTKTTTVNVESKDNKG[TEVKIGAKTSVIKEKDGL
zn10_1	229	G[TTGQS]NVDFVRTYDTVEFLSADTKTTTVNVESKDNKG[TEVKIGAKTSVIKEKDGL
zn22_1	229	G[TTGQS]NVDFVRTYDTVEFLSADTKTTTVNVESKDNKG[TEVKIGAKTSVIKEKDGL
zn23_1	229	G[TTGQS]NVDFVRTYDTVEFLSADTKTTTVNVESKDNKG[TEVKIGAKTSVIKEKDGL
zn28_ass	231	G[TAA..S]NVDFVRTYDTVEFLSADTKTTTVNVESKDNKG[TEVKIGAKTSVIKEKDGL
zn24_1	226	G[TTGQS]NVDFVRTYDTVEFLSADTKTTTVNVESKDNKG[TEVKIGAKTSVIKEKDGL
zn25_ass	226	G[TTGQS]NVDFVRTYDTVEFLSADTKTTTVNVESKDNKG[TEVKIGAKTSVIKEKDGL
zn08_1	232	G[TTGQS]NVDFVRTYDTVEFLSADTKTTTVNVESKDNKG[TEVKIGAKTSVIKEKDGL
zn29_ass	237	G[TTGQS]NVDFVRTYDTVEFLSADTKTTTVNVESKDNKG[TEVKIGAKTSVIKEKDGL
zn07_1	289	VTGKD[KGENGSSTDEGEGLVTAKEVIDAVNKAGWRMKT T TANGQTGQADKFETVTSGTNV
zn20_1	289	VTGKD[KGENGSSTDEGEGLVTAKEVIDAVNKAGWRMKT T TANGQTGQADKFETVTSGTNV
zn21_1	289	VTGKD[KGENGSSTDEGEGLVTAKEVIDAVNKAGWRMKT T TANGQTGQADKFETVTSGTNV
zn06_1	289	VTGKD[KGENGSSTDEGEGLVTAKEVIDAVNKAGWRMKT T TANGQTGQADKFETVTSGTNV
zn19_1	289	VTGKD[KGENGSSTDEGEGLVTAKEVIDAVNKAGWRMKT T TANGQTGQADKFETVTSGTNV
zn03_1	291	VTGKD[KGENGSSTDEGEGLVTAKEVIDAVNKAGWRMKT T TANGQTGQADKFETVTSGTNV
zn18_1	291	VTGKD[KGENGSSTDEGEGLVTAKEVIDAVNKAGWRMKT T TANGQTGQADKFETVTSGTNV
zn11_ass	291	VTGKD[KGENGSSTDEGEGLVTAKEVIDAVNKAGWRMKT T TANGQTGQADKFETVTSGTNV
zn02_1	291	VTGKD[KGENGSSTDEGEGLVTAKEVIDAVNKAGWRMKT T TANGQTGQADKFETVTSGTNV
zn04_1	291	VTGKD[KGENGSSTDEGEGLVTAKEVIDAVNKAGWRMKT T TANGQTGQADKFETVTSGTNV
zn16_1	295	VTGKD[KGENGSSTDEGEGLVTAKEVIDAVNKAGWRMKT T TANGQTGQADKFETVTSGTNV
zn14_1	296	VTGKD[KGENGSSTDEGEGLVTAKEVIDAVNKAGWRMKT T TANGQTGQADKFETVTSGTNV
z2491	289	VTGKD[KGENGSSTDEGEGLVTAKEVIDAVNKAGWRMKT T TANGQTGQADKFETVTSGTNV
zn10_1	289	VTGKD[KGENGSSTDEGEGLVTAKEVIDAVNKAGWRMKT T TANGQTGQADKFETVTSGTNV
zn22_1	289	VTGKD[KGENGSSTDEGEGLVTAKEVIDAVNKAGWRMKT T TANGQTGQADKFETVTSGTNV
zn23_1	289	VTGKD[KGENGSSTDEGEGLVTAKEVIDAVNKAGWRMKT T TANGQTGQADKFETVTSGTNV
zn28_ass	289	VTGKD[KGENGSSTDEGEGLVTAKEVIDAVNKAGWRMKT T TANGQTGQADKFETVTSGTNV
zn24_1	286	VTGKD[KGENGSSTDEGEGLVTAKEVIDAVNKAGWRMKT T TANGQTGQADKFETVTSGTNV
zn25_ass	286	VTGKD[KGENGSSTDEGEGLVTAKEVIDAVNKAGWRMKT T TANGQTGQADKFETVTSGTNV
zn08_1	292	VTGKD[KGENGSSTDEGEGLVTAKEVIDAVNKAGWRMKT T TANGQTGQADKFETVTSGTNV
zn29_ass	297	VTGKD[KGENGSSTDEGEGLVTAKEVIDAVNKAGWRMKT T TANGQTGQADKFETVTSGTNV

FIG. 8B

BEST AVAILABLE COPY

zn07_1	349	TFASGRGTTATVSKDDQGNITVMDVNVDALNVNQLQNSGWNLD SKAVAGSSGKVISGN
zn20_1	349	TFASGRGTTATVSKDDQGNITVMDVNVDALNVNQLQNSGWNLD SKAVAGSSGKVISGN
zn21_1	349	TFASGRGTTATVSKDDQGNITVMDVNVDALNVNQLQNSGWNLD SKAVAGSSGKVISGN
zn06_1	349	TFASGRGTTATVSKDDQGNITVMDVNVDALNVNQLQNSGWNLD SKAVAGSSGKVISGN
zn19_1	349	TFASGRGTTATVSKDDQGNITVMDVNVDALNVNQLQNSGWNLD SKAVAGSSGKVISGN
zn03_1	351	TFASGRGTTATVSKDDQGNITVKYDVNVGDA LNQNSGWNLDSKAVAGSSGKVISGN
zn18_1	351	TFASGRGTTATVSKDDQGNITVKYDVNVGDA LNQNSGWNLDSKAVAGSSGKVISGN
zn11_ass	351	TFASGRGTTATVSKDDQGNITVKYDVNVGDA LNQNSGWNLDSKAVAGSSGKVISGN
zn02_1	351	TFASGRGTTATVSKDDQGNITVKYDVNVGDA LNQNSGWNLDSKAVAGSSGKVISGN
zn04_1	351	TFASGRGTTATVSKDDQGNITVKYDVNVGDA LNQNSGWNLDSKAVAGSSGKVISGN
zn16_1	355	TFASGRGTTATVSKDDQGNITVKYDVNVGDA LNQNSGWNLDSKAVAGSSGKVISGN
zn14_1	356	TFASGRGTTATVSKDDQGNITVKYDVNVGDA LNQNSGWNLDSKAVAGSSGKVISGN
z2491	349	TFASGRGTTATVSKDDQGNITVKYDVNVGDA LNQNSGWNLDSKAVAGSSGKVISGN
zn10_1	349	TFASGRGTTATVSKDDQGNITVKYDVNVGDA LNQNSGWNLDSKAVAGSSGKVISGN
zn22_1	349	TFASGRGTTATVSKDDQGNITVKYDVNVGDA LNQNSGWNLDSKAVAGSSGKVISGN
zn23_1	349	TFASGRGTTATVSKDDQGNITVKYDVNVGDA LNQNSGWNLDSKAVAGSSGKVISGN
zn28_ass	349	TFASGRGTTATVSKDDQGNITVKYDVNVGDA LNQNSGWNLDSKAVAGSSGKVISGN
zn24_1	346	TFASGRGTTATVSKDDQGNITVKYDVNVGDA LNQNSGWNLDSKAVAGSSGKVISGN
zn25_ass	346	TFASGRGTTATVSKDDQGNITVKYDVNVGDA LNQNSGWNLDSKAVAGSSGKVISGN
zn08_1	352	TFASGRGTTATVSKDDQGNITVKYDVNVGDA LNQNSGWNLDSKAVAGSSGKVISGN
zn29_ass	357	TFASGRGTTATVSKDDQGNITVKYDVNVGDA LNQNSGWNLDSKAVAGSSGKVISGN
zn07_1	409	VSPSKGKMDETVNINAGNNIEITRNGKNIDIATSMTPQFSSVSLGAGADAPTL SVDGA
zn20_1	409	VSPSKGKMDETVNINAGNNIEITRNGKNIDIATSMTPQFSSVSLGAGADAPTL SVDGA
zn21_1	409	VSPSKGKMDETVNINAGNNIEITRNGKNIDIATSMTPQFSSVSLGAGADAPTL SVDGA
zn06_1	409	VSPSKGKMDETVNINAGNNIEITRNGKNIDIATSMTPQFSSVSLGAGADAPTL SVDGA
zn19_1	409	VSPSKGKMDETVNINAGNNIEITRNGKNIDIATSMTPQFSSVSLGAGADAPTL SVDGA
zn03_1	411	VSPSKGKMDETVNINAGNNIEITRNGKNIDIATSMTPQFSSVSLGAGADAPTL SVDGA
zn18_1	411	VSPSKGKMDETVNINAGNNIEITRNGKNIDIATSMTPQFSSVSLGAGADAPTL SVDGA
zn11_ass	411	VSPSKGKMDETVNINAGNNIEITRNGKNIDIATSMTPQFSSVSLGAGADAPTL SVDGA
zn02_1	411	VSPSKGKMDETVNINAGNNIEITRNGKNIDIATSMTPQFSSVSLGAGADAPTL SVDGA
zn04_1	411	VSPSKGKMDETVNINAGNNIEITRNGKNIDIATSMTPQFSSVSLGAGADAPTL SVDGA
zn16_1	415	VSPSKGKMDETVNINAGNNIEITRNGKNIDIATSMTPQFSSVSLGAGADAPTL SVDGA
zn14_1	416	VSPSKGKMDETVNINAGNNIEITRNGKNIDIATSMTPQFSSVSLGAGADAPTL SVDGA
z2491	409	VSPSKGKMDETVNINAGNNIEITRNGKNIDIATSMTPQFSSVSLGAGADAPTL SVDGA
zn10_1	409	VSPSKGKMDETVNINAGNNIEITRNGKNIDIATSMTPQFSSVSLGAGADAPTL SVDGA
zn22_1	409	VSPSKGKMDETVNINAGNNIEITRNGKNIDIATSMTPQFSSVSLGAGADAPTL SVDGA
zn23_1	409	VSPSKGKMDETVNINAGNNIEITRNGKNIDIATSMTPQFSSVSLGAGADAPTL SVDGA
zn28_ass	409	VSPSKGKMDETVNINAGNNIEITRNGKNIDIATSMTPQFSSVSLGAGADAPTL SVDGA
zn24_1	406	VSPSKGKMDETVNINAGNNIEITRNGKNIDIATSMTPQFSSVSLGAGADAPTL SVDGA
zn25_ass	406	VSPSKGKMDETVNINAGNNIEITRNGKNIDIATSMTPQFSSVSLGAGADAPTL SVDGA
zn08_1	412	VSPSKGKMDETVNINAGNNIEITRNGKNIDIATSMTPQFSSVSLGAGADAPTL SVDGA
zn29_ass	417	VSPSKGKMDETVNINAGNNIEITRNGKNIDIATSMTPQFSSVSLGAGADAPTL SVDGA
zn07_1	468	LNVGSKD NKPVRITNVAPGVKEGDVTNVAQLKGVAQNLNNRIDNVDGNARAGIAQAIAT
zn20_1	468	LNVGSKD NKPVRITNVAPGVKEGDVTNVAQLKGVAQNLNNRIDNVDGNARAGIAQAIAT
zn21_1	468	LNVGSKD NKPVRITNVAPGVKEGDVTNVAQLKGVAQNLNNRIDNVDGNARAGIAQAIAT
zn06_1	468	LNVGSKD NKPVRITNVAPGVKEGDVTNVAQLKGVAQNLNNRIDNVDGNARAGIAQAIAT
zn19_1	468	LNVGSKD NKPVRITNVAPGVKEGDVTNVAQLKGVAQNLNNRIDNVDGNARAGIAQAIAT
zn03_1	471	LNVGSKD NKPVRITNVAPGVKEGDVTNVAQLKGVAQNLNNRIDNVDGNARAGIAQAIAT
zn18_1	471	LNVGSKD NKPVRITNVAPGVKEGDVTNVAQLKGVAQNLNNRIDNVDGNARAGIAQAIAT
zn11_ass	471	LNVGSKD NKPVRITNVAPGVKEGDVTNVAQLKGVAQNLNNRIDNVDGNARAGIAQAIAT
zn02_1	471	LNVGSKD NKPVRITNVAPGVKEGDVTNVAQLKGVAQNLNNRIDNVDGNARAGIAQAIAT
zn04_1	471	LNVGSKD NKPVRITNVAPGVKEGDVTNVAQLKGVAQNLNNRIDNVDGNARAGIAQAIAT
zn16_1	475	LNVGSKD NKPVRITNVAPGVKEGDVTNVAQLKGVAQNLNNRIDNVDGNARAGIAQAIAT
zn14_1	476	LNVGSKD NKPVRITNVAPGVKEGDVTNVAQLKGVAQNLNNRIDNVDGNARAGIAQAIAT
z2491	469	LNVGSKD NKPVRITNVAPGVKEGDVTNVAQLKGVAQNLNNRIDNVDGNARAGIAQAIAT
zn10_1	469	LNVGSKD NKPVRITNVAPGVKEGDVTNVAQLKGVAQNLNNRIDNVDGNARAGIAQAIAT
zn22_1	469	LNVGSKD NKPVRITNVAPGVKEGDVTNVAQLKGVAQNLNNRIDNVDGNARAGIAQAIAT
zn23_1	469	LNVGSKD NKPVRITNVAPGVKEGDVTNVAQLKGVAQNLNNRIDNVDGNARAGIAQAIAT
zn28_ass	469	LNVGSKD NKPVRITNVAPGVKEGDVTNVAQLKGVAQNLNNRIDNVDGNARAGIAQAIAT
zn24_1	466	LNVGSKD NKPVRITNVAPGVKEGDVTNVAQLKGVAQNLNNRIDNVDGNARAGIAQAIAT
zn25_ass	466	LNVGSKD NKPVRITNVAPGVKEGDVTNVAQLKGVAQNLNNRIDNVDGNARAGIAQAIAT
zn08_1	472	LNVGSKD NKPVRITNVAPGVKEGDVTNVAQLKGVAQNLNNRIDNVDGNARAGIAQAIAT
zn29_ass	477	LNVGSKD NKPVRITNVAPGVKEGDVTNVAQLKGVAQNLNNRIDNVDGNARAGIAQAIAT

FIG. 8C

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zn07_1	528	AGLVQAYLPGKSMMAIGGGTYRGEAGYAIGYSSISDGNWI IKGTASGNSRGHFGASASV
zn20_1	528	AGLVQAYLPGKSMMAIGGGTYRGEAGYAIGYSSISDGNWI IKGTASGNSRGHFGASASV
zn21_1	528	AGLVQAYLPGKSMMAIGGGTYRGEAGYAIGYSSISDGNWI IKGTASGNSRGHFGASASV
zn06_1	528	AGLVQAYLPGKSMMAIGGGTYRGEAGYAIGYSSISDGNWI IKGTASGNSRGHFGASASV
zn19_1	528	AGLVQAYLPGKSMMAIGGGTYRGEAGYAIGYSSISDGNWI IKGTASGNSRGHFGASASV
zn03_1	531	AGLVQAYLPGKSMMAIGGGTYRGEAGYAIGYSSISDGNWI IKGTASGNSRGHFGASASV
zn18_1	531	AGLVQAYLPGKSMMAIGGGTYRGEAGYAIGYSSISDGNWI IKGTASGNSRGHFGASASV
zn11_ass	531	A GLVQAYLPGKSMMAIGGGTYRGEAGYAIGYSSISDGNWIIKGTASGNSRGHFGASASV
zn02_1	531	AGLVQAYLPGKSMMAIGGD TYRGEAGYAIGYSSISDGNWIIKGTASGNSRGHFGASASV
zn04_1	531	AGLVQAYLPGKSMMAIGGD TYRGEAGYAIGYSSISDGNWIIKGTASGNSRGHFGASASV
zn16_1	535	AGL VQAYLPGKSMMAIGGGTYRGEAGYAIGYSSISDGNWIIKGTASGNSRGHFGASASV
zn14_1	536	AGLVQAYLPGKSMMAIGGGTYRGEAGYAIGYSSISDGNWI IKGTASGNSRGHFGASASV
z2491	529	AGLVQAYLPGKSMMAIGGGTYRGEAGYAIGYSSISDGNWI IKGTASGNSRGHFGASASV
zn10_1	529	AGLVQAYLPGKSMMAIGGGTYRGEAGYAIGYSSISDGNWI IKGTASGNSRGHFGASASV
zn22_1	529	AGLVQAYLPGKSMMAIGGGTYRGEAGYAIGYSSISDGNWI IKGTASGNSRGHFGASASV
zn23_1	529	AGLVQAYLPGKSMMAIGGGTYRGEAGYAIGYSSISDGNWI IKGTASGNSRGHFGASASV
zn28_ass	529	AGLVQAYLPGKSMMAIGGGTYRGEAGYAIGYSSISDGNWI IKGTASGNSRGHFGASASV
zn24_1	526	AGL VQAYLPGKSMMAIGGGTYRGEAGYAIGYSSISDGNWIIKGTASGNSRGHFGASASV
zn25_ass	526	AGL VQAYLPGKSMMAIGGGTYRGEAGYAIGYSSISDGNWIIKGTASGNSRGHFGASASV
zn08_1	532	AGLVQAYLPGKSMMAIGGGTYRGEAGYAIGYSSISDGNWI IKGTASGNSRGHFGASASV
zn29_ass	537	AGLVQAYLPGKSMMAIGGGTYRGEAGYAIGYSSISDGNWI IKGTASGNSRGHFGASASV

zn07_1	588	GYQW*
zn20_1	588	GYQW*
zn21_1	588	GYQW*
zn06_1	588	GYQW*
zn19_1	588	GYQW*
zn03_1	591	GYQW*
zn18_1	591	GYQW*
zn11_ass	591	GYQW*
zn02_1	591	GYQW*
zn04_1	591	GYQW*
zn16_1	595	GYQW*
zn14_1	596	GYQW*
z2491	589	GYQW*
zn10_1	589	GYQW*
zn22_1	589	GYQW*
zn23_1	589	GYQW*
zn28_ass	589	GYQW*
zn24_1	586	GYQW*
zn25_ass	586	GYQW*
zn08_1	592	GYQW*
zn29_ass	597	GYQW*

FIG. 8D